

DERWENT-ACC-NO: 2001-341725
DERWENT-WEEK: 200136
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TITLE: Device for cleaning various sliders

PATENT-ASSIGNEE: INT BUSINESS MACHINES CORP[IBMC]

PRIORITY-DATA: 2001RD-0442119 (January 20, 2001)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES	MAIN-IPC	
RD 442119 A	February 10, 2001	N/A
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APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
RD 442119A	N/A	2001RD-0442119
January 20, 2001		

INT-CL (IPC): G11B000/00

ABSTRACTED-PUB-NO: RD 442119A

BASIC-ABSTRACT: NOVELTY - The present invention disclosed a novel device to clean the air-bearing surfaces of various magnetic thin-film heads used in magnetic hard disk drives and glide heads used in hard disk manufacturing to detect surface asperities. This device couples the conventional cleaning method of solvent or dry wiping on cloth and vacuum cleaning. The device is composed of a piece of porous weaved cloth sitting on top of the flat surface of a perforated chamber connected to vacuum. When the slider or magnetic head slides over the cloth, debris and particles are removed by the wiping action and by vacuum suction. If organic contamination on the ABS surface is suspected, a solvent such as isopropyl alcohol or acetone could be sprayed onto

*cloth
+
vacuum*

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the cloth to further improve cleaning. The present invention has the following advantages over the conventional wipe cleaning. 1. it truly eliminates particles due to the suction provided by vacuum, conventional wiping only displaces them unless the cloth is changed every time. 2. when solvent is used, solvent vapor emission is minimized due to continuous suction, 3. the suction holds the slider or head more lightly on the cloth surface, providing more intimate contact and thus more effective wiper cleaning.

USE - None given

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS:
DEVICE CLEAN VARIOUS SLIDE

DERWENT-CLASS: T03

EPI-CODES: T03-A04B3; T03-A08A1C; T03-N01;

SECONDARY-ACC-NO:
Non-CPI Secondary Accession Numbers: N2001-247446